

# Pat Monaghan

## List of Publications by Year in descending order

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Version: 2024-02-01

143  
papers

12,898  
citations

41344

49  
h-index

24982

109  
g-index

149  
all docs

149  
docs citations

149  
times ranked

9215  
citing authors

#	ARTICLE	IF	CITATIONS
1	Compensation for a bad start: grow now, pay later?. Trends in Ecology and Evolution, 2001, 16, 254-260.	8.7	1,614
2	Oxidative stress as a mediator of life history trade-offs: mechanisms, measurements and interpretation. Ecology Letters, 2009, 12, 75-92.	6.4	1,083
3	Early growth conditions, phenotypic development and environmental change. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 1635-1645.	4.0	778
4	Telomere length in early life predicts lifespan. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1743-1748.	7.1	722
5	Why don't birds lay more eggs?. Trends in Ecology and Evolution, 1997, 12, 270-274.	8.7	425
6	Growth versus lifespan: perspectives from evolutionary ecology. Experimental Gerontology, 2003, 38, 935-940.	2.8	418
7	Human disturbance: people as predation-free predators?. Journal of Applied Ecology, 2004, 41, 335-343.	4.0	341
8	Do telomere dynamics link lifestyle and lifespan?. Trends in Ecology and Evolution, 2006, 21, 47-53.	8.7	304
9	Behavioural responses to human disturbance: a matter of choice?. Animal Behaviour, 2004, 68, 1065-1069.	1.9	260
10	Telomere dynamics rather than age predict life expectancy in the wild. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 1679-1683.	2.6	234
11	Ecological processes in a hormetic framework. Ecology Letters, 2010, 13, 1435-1447.	6.4	230
12	Telomeres and life histories: the long and the short of it. Annals of the New York Academy of Sciences, 2010, 1206, 130-142.	3.8	211
13	Real-time quantitative PCR assay for measurement of avian telomeres. Journal of Avian Biology, 2009, 40, 342-347.	1.2	194
14	Neonatal nutrition, adult antioxidant defences and sexual attractiveness in the zebra finch. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 1691-1696.	2.6	186
15	Organismal stress, telomeres and life histories. Journal of Experimental Biology, 2014, 217, 57-66.	1.7	185
16	Telomere loss in relation to age and early environment in long-lived birds. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 1571-1576.	2.6	183
17	Experimental demonstration of the growth rate-lifespan trade-off. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122370.	2.6	173
18	Oxidative stress and life histories: unresolved issues and current needs. Ecology and Evolution, 2015, 5, 5745-5757.	1.9	169

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19	Somatic growth and telomere dynamics in vertebrates: relationships, mechanisms and consequences. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20160446.	4.0	165
20	Early nutrition and phenotypic development: "catch-up" growth leads to elevated metabolic rate in adulthood. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 1565-1570.	2.6	163
21	Does reproduction cause oxidative stress? An open question. <i>Trends in Ecology and Evolution</i> , 2013, 28, 347-350.	8.7	158
22	Measuring telomere length and telomere dynamics in evolutionary biology and ecology. <i>Methods in Ecology and Evolution</i> , 2014, 5, 299-310.	5.2	158
23	Group foraging in wild brown hares: effects of resource distribution and social status. <i>Animal Behaviour</i> , 1985, 33, 993-999.	1.9	152
24	WITHIN-CLUTCH TRADE-OFFS BETWEEN THE NUMBER AND QUALITY OF EGGS: EXPERIMENTAL MANIPULATIONS IN GULLS. <i>Ecology</i> , 2000, 81, 1339-1350.	3.2	142
25	The demands of incubation and avian clutch size. <i>Biological Reviews</i> , 1998, 73, 293-304.	10.4	140
26	Stress exposure in early post-natal life reduces telomere length: an experimental demonstration in a long-lived seabird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20133151.	2.6	133
27	An experimental demonstration that early-life competitive disadvantage accelerates telomere loss. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20141610.	2.6	120
28	Compensatory Growth Impairs Adult Cognitive Performance. <i>PLoS Biology</i> , 2006, 4, e251.	5.6	118
29	Male mate choice and female fecundity in zebra finches. <i>Animal Behaviour</i> , 2001, 62, 1021-1026.	1.9	102
30	Proximate determination of clutch size in lesser black-backed gulls: the roles of food supply and body condition. <i>Canadian Journal of Zoology</i> , 1993, 71, 273-279.	1.0	90
31	The cost of egg production: increased egg production reduces future fitness in gulls. <i>Journal of Avian Biology</i> , 2001, 32, 159-166.	1.2	89
32	Developmental trade-offs in caddis flies: increased investment in larval defence alters adult resource allocation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 1049-1054.	2.6	85
33	Developmental trade-offs and life histories: strategic allocation of resources in caddis flies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 1511-1515.	2.6	82
34	Early life experience primes resistance to oxidative stress. <i>Journal of Experimental Biology</i> , 2012, 215, 2820-2826.	1.7	79
35	The positive and negative consequences of stressors during early life. <i>Early Human Development</i> , 2015, 91, 643-647.	1.8	71
36	Early-life adversity accelerates cellular ageing and affects adult inflammation: Experimental evidence from the European starling. <i>Scientific Reports</i> , 2017, 7, 40794.	3.3	71

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37	Climate change and ageing in ectotherms. <i>Global Change Biology</i> , 2020, 26, 5371-5381.	9.5	68
38	Effects of neonatal nutrition on adult reproduction in a passerine bird. <i>Ibis</i> , 2006, 148, 509-514.	1.9	62
39	Bottom of the Heap: Having Heavier Competitors Accelerates Early-Life Telomere Loss in the European Starling, <i>Sturnus vulgaris</i> . <i>PLoS ONE</i> , 2013, 8, e83617.	2.5	62
40	Developmental telomere attrition predicts impulsive decision-making in adult starlings. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142140.	2.6	62
41	For better or worse: reduced adult lifespan following early-life stress is transmitted to breeding partners. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 709-714.	2.6	61
42	The pattern of early growth trajectories affects adult breeding performance. <i>Ecology</i> , 2012, 93, 902-912.	3.2	61
43	Parent age, lifespan and offspring survival: structured variation in life history in a wild population. <i>Journal of Animal Ecology</i> , 2010, 79, 851-862.	2.8	60
44	Variation in Reproductive Success Across Captive Populations: Methodological Differences, Potential Biases and Opportunities. <i>Ethology</i> , 2017, 123, 1-29.	1.1	60
45	Intra-specific interactions influence egg composition in the lesser black-backed gull ( <i>Larus fuscus</i> ). <i>Behavioral Ecology and Sociobiology</i> , 2005, 57, 357-365.	1.4	58
46	Carotenoid pigmentation does not reflect total non-enzymatic antioxidant activity in plasma of adult and nestling great tits, <i>Parus major</i> . <i>Functional Ecology</i> , 2007, 21, 1123-1129.	3.6	58
47	Biochemical integration of blood redox state in captive zebra finches ( <i>Taeniopygia guttata</i> ). <i>Journal of Experimental Biology</i> , 2011, 214, 1148-1152.	1.7	58
48	Intergenerational Transfer of Ageing: Parental Age and Offspring Lifespan. <i>Trends in Ecology and Evolution</i> , 2020, 35, 927-937.	8.7	58
49	Variation in early-life telomere dynamics in a long-lived bird: links to environmental conditions and survival. <i>Journal of Experimental Biology</i> , 2015, 218, 668-674.	1.7	57
50	Loss of integration is associated with reduced resistance to oxidative stress. <i>Journal of Experimental Biology</i> , 2013, 216, 2213-20.	1.7	56
51	The deteriorating soma and the indispensable germline: gamete senescence and offspring fitness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20192187.	2.6	53
52	Pace and stability of embryonic development affect telomere dynamics: an experimental study in a precocial bird model. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201378.	2.6	53
53	Increased glucocorticoid concentrations in early life cause mitochondrial inefficiency and short telomeres. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	53
54	Prior hormetic priming is costly under environmental mismatch. <i>Biology Letters</i> , 2014, 10, 20131010.	2.3	51

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55	Sex-dependent effects of nutrition on telomere dynamics in zebra finches ( <i>Taeniopygia guttata</i> ) <i>Tj ETQq1</i>	1.0, 2.3	784314, 515
56	Males matter: the occurrence and consequences of male incubation in starlings ( <i>Sturnus vulgaris</i> ). <i>Behavioral Ecology and Sociobiology</i> , 2002, 51, 255-261.	1.4	49
57	Interacting effects of nest shelter and breeder quality on behaviour and breeding performance of herring gulls. <i>Animal Behaviour</i> , 2005, 69, 301-306.	1.9	47
58	Understanding diversity in telomere dynamics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20160435.	4.0	45
59	Out of sight but not out of harm's way: Human disturbance reduces reproductive success of a cavity-nesting seabird. <i>Biological Conservation</i> , 2014, 174, 127-133.	4.1	43
60	Effects of early-life competition and maternal nutrition on telomere lengths in wild meerkats. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171383.	2.6	42
61	Flexibility in the duration of parental care: zebra finch parents respond to offspring needs. <i>Animal Behaviour</i> , 2012, 83, 35-39.	1.9	41
62	Avian diving, respiratory physiology and the marginal value theorem. <i>Animal Behaviour</i> , 1998, 56, 165-174.	1.9	40
63	Sexual ornament size and breeding performance in female and male European Shags <i>Phalacrocorax aristotelis</i> . <i>Ibis</i> , 2002, 145, 54-60.	1.9	40
64	Sex-specific differences in compensation for poor neonatal nutrition in the zebra finch <i>Taeniopygia guttata</i> . <i>Journal of Avian Biology</i> , 2007, 38, 356-366.	1.2	40
65	The trade-off between growth rate and locomotor performance varies with perceived time until breeding. <i>Journal of Experimental Biology</i> , 2010, 213, 3289-3298.	1.7	40
66	Costs of compensation: effect of early life conditions and reproduction on flight performance in zebra finches. <i>Oecologia</i> , 2011, 167, 315-323.	2.0	40
67	Repeated exposure to stressful conditions can have beneficial effects on survival. <i>Experimental Gerontology</i> , 2015, 69, 170-175.	2.8	40
68	Parental age influences offspring telomere loss. <i>Functional Ecology</i> , 2016, 30, 1531-1538.	3.6	39
69	Opposite Effects of Early-Life Competition and Developmental Telomere Attrition on Cognitive Biases in Juvenile European Starlings. <i>PLoS ONE</i> , 2015, 10, e0132602.	2.5	39
70	Effects of short-term hunger and competitive asymmetry on facultative aggression in nestling black guillemots <i>Cephus grylle</i> . <i>Behavioral Ecology</i> , 2000, 11, 282-287.	2.2	38
71	Advances in laying date and increasing population size suggest positive responses to climate change in Common Eiders <i>Somateria mollissima</i> in Iceland. <i>Ibis</i> , 2010, 152, 19-28.	1.9	38
72	Then versus now: effect of developmental and current environmental conditions on incubation effort in birds. <i>Behavioral Ecology</i> , 2010, 21, 999-1004.	2.2	38

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73	Melanin-Based Color of Plumage: Role of Condition and of Feathers' Microstructure. <i>Integrative and Comparative Biology</i> , 2014, 54, 633-644.	2.0	38
74	On being the right size: increased body size is associated with reduced telomere length under natural conditions. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20152331.	2.6	38
75	Genome size and longevity. <i>Trends in Genetics</i> , 2000, 16, 331-332.	6.7	37
76	Ageing: It's a Dog's Life. <i>Current Biology</i> , 2013, 23, R451-R453.	3.9	37
77	Age, oxidative stress exposure and fitness in a long-lived seabird. <i>Functional Ecology</i> , 2016, 30, 913-921.	3.6	36
78	Experimental demonstration that offspring fathered by old males have shorter telomeres and reduced lifespans. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180268.	2.6	36
79	Environmental conditions can modulate the links among oxidative stress, age, and longevity. <i>Mechanisms of Ageing and Development</i> , 2017, 164, 100-107.	4.6	34
80	Effects of vegetation on nest microclimate and breeding performance of lesser black-backed gulls ( <i>Larus fuscus</i> ). <i>Journal Fur Ornithologie</i> , 2005, 146, 176-183.	1.2	33
81	Individual state and survival prospects: age, sex, and telomere length in a long-lived seabird. <i>Behavioral Ecology</i> , 2011, 22, 156-161.	2.2	33
82	Telomere length measurement by qPCR in birds is affected by storage method of blood samples. <i>Oecologia</i> , 2017, 184, 341-350.	2.0	33
83	Stress and life history. <i>Current Biology</i> , 2014, 24, R408-R412.	3.9	32
84	Rank-Related Contrasts in Longevity Arise from Extra-Group Excursions Not Delayed Senescence in a Cooperative Mammal. <i>Current Biology</i> , 2018, 28, 2934-2939.e4.	3.9	31
85	Seasonal Changes in Brood Sex Composition in Audouin's Gulls. <i>Condor</i> , 2003, 105, 783-790.	1.6	29
86	Using Artificial Nests to Test Importance of Nesting Material and Nest Shelter for Incubation Energetics. <i>Auk</i> , 2004, 121, 777-787.	1.4	28
87	Sex differences in embryo development periods and effects on avian hatching patterns. <i>Behavioral Ecology</i> , 2004, 15, 205-209.	2.2	27
88	Embryonic and postnatal telomere length decrease with ovulation order within clutches. <i>Scientific Reports</i> , 2016, 6, 25915.	3.3	27
89	Shorter juvenile telomere length is associated with higher survival to spawning in migratory Atlantic salmon. <i>Functional Ecology</i> , 2017, 31, 2070-2079.	3.6	27
90	Telomere elongation during early development is independent of environmental temperatures in Atlantic salmon. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	27

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91	Developmental and familial predictors of adult cognitive traits in the European starling. <i>Animal Behaviour</i> , 2015, 107, 239-248.	1.9	25
92	Environmental conditions shape the temporal pattern of investment in reproduction and survival. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172442.	2.6	25
93	Does practice shape the brain?. <i>Nature</i> , 1998, 394, 434-434.	27.8	24
94	Age of the incubating parents affects nestling survival: an experimental study of the herring gull <i>Larus argentatus</i> . <i>Journal of Avian Biology</i> , 2007, 38, 83-93.	1.2	24
95	Are you what you eat? Micronutritional deficiencies during development influence adult personality-related traits. <i>Animal Behaviour</i> , 2015, 101, 129-140.	1.9	23
96	Brood size moderates associations between relative size, telomere length, and immune development in European starling nestlings. <i>Ecology and Evolution</i> , 2016, 6, 8138-8148.	1.9	23
97	Links between parental life histories of wild salmon and the telomere lengths of their offspring. <i>Molecular Ecology</i> , 2018, 27, 804-814.	3.9	23
98	Evidence of the phenotypic expression of a lethal recessive allele under inbreeding in a wild population of conservation concern. <i>Journal of Animal Ecology</i> , 2016, 85, 879-891.	2.8	22
99	A marker of biological age explains individual variation in the strength of the adult stress response. <i>Royal Society Open Science</i> , 2017, 4, 171208.	2.4	22
100	The analysis of ordinal response data in the behavioural sciences. <i>Animal Behaviour</i> , 1998, 56, 1041-1043.	1.9	21
101	SEASONAL CHANGES IN BROOD SEX COMPOSITION IN AUDOUIN'S GULLS. <i>Condor</i> , 2003, 105, 783.	1.6	21
102	Temperature-mediated morphology changes during metamorphic climax in the African clawed frog, <i>Xenopus laevis</i> . <i>Journal of Thermal Biology</i> , 2008, 33, 244-249.	2.5	21
103	Perturbations in growth trajectory due to early diet affect age-related deterioration in performance. <i>Functional Ecology</i> , 2016, 30, 625-635.	3.6	21
104	Diagnosing the timing of demographic bottlenecks: sub-adult survival in red-billed choughs. <i>Journal of Applied Ecology</i> , 2011, 48, 797-805.	4.0	20
105	Interactive effects of early and later nutritional conditions on the adult antioxidant defence system in zebra finches. <i>Journal of Experimental Biology</i> , 2015, 218, 2211-7.	1.7	20
106	Intergenerational effects on offspring telomere length: interactions among maternal age, stress exposure and offspring sex. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191845.	2.6	19
107	A Comparison of Dynamic-State-Dependent Models of the Trade-Off Between Growth, Damage, and Reproduction. <i>American Naturalist</i> , 2011, 178, 774-786.	2.1	18
108	Growth acceleration results in faster telomere shortening later in life. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211118.	2.6	18

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109	Effects of early incubation constancy on embryonic development: An experimental study in the herring gull <i>Larus argentatus</i> . <i>Journal of Thermal Biology</i> , 2006, 31, 416-421.	2.5	17
110	Effect of increased egg production on egg composition in the Common Tern <i>Sterna hirundo</i> . <i>Ibis</i> , 1998, 140, 693-696.	1.9	17
111	The impact of gulls on puffin reproductive performance: an experimental test of two management strategies. <i>Biological Conservation</i> , 2001, 98, 159-165.	4.1	16
112	Experimental demonstration of prenatal programming of mitochondrial aerobic metabolism lasting until adulthood. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20212679.	2.6	16
113	Sex-Specific Associations between Telomere Dynamics and Oxidative Status in Adult and Nestling Pied Flycatchers. <i>Physiological and Biochemical Zoology</i> , 2018, 91, 868-877.	1.5	15
114	Telomeres and longevity. <i>Aging</i> , 2012, 4, 76-77.	3.1	15
115	Absolute standards as a useful addition to the avian quantitative PCR telomere assay. <i>Journal of Avian Biology</i> , 2012, 43, 571-576.	1.2	13
116	Distinct telomere differences within a reproductively bimodal common lizard population. <i>Functional Ecology</i> , 2019, 33, 1917-1927.	3.6	13
117	Maternal glucocorticoids promote offspring growth without inducing oxidative stress or shortening telomeres in wild red squirrels. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	13
118	Genetic architecture and heritability of early-life telomere length in a wild passerine. <i>Molecular Ecology</i> , 2022, 31, 6360-6381.	3.9	13
119	Birds bias offspring sex ratio in response to livestock grazing. <i>Biology Letters</i> , 2011, 7, 958-960.	2.3	12
120	Protracted treatment with corticosterone reduces breeding success in a long-lived bird. <i>General and Comparative Endocrinology</i> , 2015, 210, 38-45.	1.8	11
121	Artificial size selection experiment reveals telomere length dynamics and fitness consequences in a wild passerine. <i>Molecular Ecology</i> , 2022, 31, 6224-6238.	3.9	11
122	A marker of biological ageing predicts adult risk preference in European starlings, <i>Sturnus vulgaris</i> . <i>Behavioral Ecology</i> , 2018, 29, 589-597.	2.2	10
123	Variation in Population Synchrony in a Multi-Species Seabird Community: Response to Changes in Predator Abundance. <i>PLoS ONE</i> , 2015, 10, e0131543.	2.5	9
124	The Effect of Maternal State on the Steroid and Macronutrient Content of Lesser Black-Backed Gull Eggs. <i>Physiological and Biochemical Zoology</i> , 2010, 83, 1009-1022.	1.5	8
125	Associations between DNA methylation and telomere length during early life: Insight from wild zebra finches ( <i>Taeniopygia guttata</i> ). <i>Molecular Ecology</i> , 2022, 31, 6261-6272.	3.9	8
126	Genome size, longevity and development time in birds. <i>Trends in Genetics</i> , 2001, 17, 568.	6.7	7



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127	Influence of diet and foraging strategy on reproductive success in two morphologically similar sympatric seabirds. <i>Bird Study</i> , 2016, 63, 319-329.	1.0	7
128	Telomere Length in Early Life Predicts Life Span. <i>Obstetrical and Gynecological Survey</i> , 2012, 67, 283-284.	0.4	6
129	Assessing the effects of repeated handling on the physiology and condition of semi-precocial nestlings. <i>Ibis</i> , 2016, 158, 834-843.	1.9	6
130	Evaluating the efficacy of independent versus simultaneous management strategies to address ecological and genetic threats to population viability. <i>Journal of Applied Ecology</i> , 2019, 56, 2264-2273.	4.0	6
131	Repeated exposure to challenging environmental conditions influences telomere dynamics across adult life as predicted by changes in mortality risk. <i>FASEB Journal</i> , 2021, 35, e21743.	0.5	5
132	Using Artificial Nests to Test Importance of Nesting Material and Nest Shelter for Incubation Energetics. <i>Auk</i> , 2004, 121, 777-787.	1.4	5
133	Postnatal nutrition influences male attractiveness and promotes plasticity in male mating preferences. <i>Die Naturwissenschaften</i> , 2017, 104, 102.	1.6	4
134	Collateral benefits of targeted supplementary feeding on demography and growth rate of a threatened population. <i>Journal of Applied Ecology</i> , 2020, 57, 2212-2221.	4.0	4
135	Within-year and among-year variation in impacts of targeted conservation management on juvenile survival in a threatened population. <i>Journal of Applied Ecology</i> , 0, , .	4.0	3
136	Maternally transferred thyroid hormones and life-history variation in birds. <i>Journal of Animal Ecology</i> , 2022, 91, 1489-1506.	2.8	3
137	Behavioral Ecology: Theory into Practice. <i>Advances in the Study of Behavior</i> , 1987, 17, 85-120.	1.6	2
138	Effects of human disturbance on postnatal growth and baseline corticosterone in a long-lived bird. , 2021, 9, coab052.		2
139	Integrating advances in population and evolutionary ecology with conservation strategy through long-term studies of red-billed choughs. <i>Journal of Animal Ecology</i> , 2022, 91, 20-34.	2.8	2
140	Spot the difference. <i>Trends in Ecology and Evolution</i> , 2001, 16, 527.	8.7	1
141	Parental resource allocation among offspring varies with increasing brood age in Black-legged Kittiwakes <i>Rissa tridactyla</i> . <i>Bird Study</i> , 2015, 62, 303-314.	1.0	1
142	PARRY, James and GREENWOOD, Jeremy. <i>Emma Turner: a life looking at birds</i> . <i>Archives of Natural History</i> , 2021, 48, 200-201.	0.3	1
143	British Ornithologists' Union Godman Salvin Prize. <i>Ibis</i> , 2017, 159, 707-708.	1.9	0